

FIG. 1A

|                 |            |            |                       |
|-----------------|------------|------------|-----------------------|
| Ground Squirrel | mylfhlclvf | acvpcptvga | sklclglwld            |
|                 | 1          |            |                       |
| HBC AYW         | mdidpykefg | atvellsflp | sdfpfsvrdl ldtasalyre |
| HBC ADW         | mdidpykefg | atvellsflp | sdfpfsvrdl ldtasalyre |
| HBC ADW2        | mdidpykefg | atvellsflp | sdfpfsvrdl ldtasalyre |
| HBC ADYW        | mdidpykefg | atvellsflp | sdfpfsvrdl ldtasalyre |
| Woodchuck       | mdidpykefg | ssyqlnflp  | ldffpdlnal vdtatalyee |
| Ground Squirrel | mdidpykefg | ssyqlnflp  | ldffpdlnal vdtasalyee |
|                 | 41         |            |                       |
| HBC AYW         | alespehcsp | hhtalrqail | cwgelmtlat wvgvnledpa |
| HBC ADW         | alespehcsp | hhtalrqail | cwgelmtlat wvgnnlqdp  |
| HBC ADW2        | alespehcsp | hhtalrqail | cwgelmtlat wvgnnledpa |
| HBC ADYW        | alespehcsp | hhtalrqail | cwgelmtlat wvgtnledpa |
| Woodchuck       | eltgrehcsp | hhtairqalv | cwdeitklia wmsnitseq  |
| Ground Squirrel | eltgrehcsp | hhtairqalv | cweeltrlit wmsentteev |

14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

FIG. 1B

81  
HBC AYW srdlvvsyvn tnmglkfrql lwfhiscldtf gretvleylv  
HBC ADW srdlvvnyvn tnmglkirql lwfhiscldtf gretvleylv  
HBC ADW2 srdlvvnyvn tnvglkirql lwfhiscldtf gretvleylv  
HBC ADYW srdlvvsyvn tnvglkfrql lwfhiscldtf gretvleylv  
Woodchuck vrtiivnhvn dtwglkvrqs lwfhiscldtf gqhtvqeflv  
Ground Squirrel rriivdhvnn twglkvrqtl wfhiscldtf gqhtvqeflv

121  
HBC AYW sfgvwirtpp ayrppnapil stlpettvvr rrgsrprrr  
HBC ADW sfgvwirtpp ayrppnapil stlpettvvr rrdgrsprrr  
HBC ADW2 sfgvwirtpp ayrppnapil stlpettvvr rrdgrsprrr  
HBC ADYW sfgvwirtpp ayrppnapil stlpettvvr rrgsrprrr  
Woodchuck sfgvwirtpa pyrppnapil stlpettvir rrggarasrs  
Ground Squirrel fgvwirtpap yrppnapils tlpehtvir rrgsraarsp

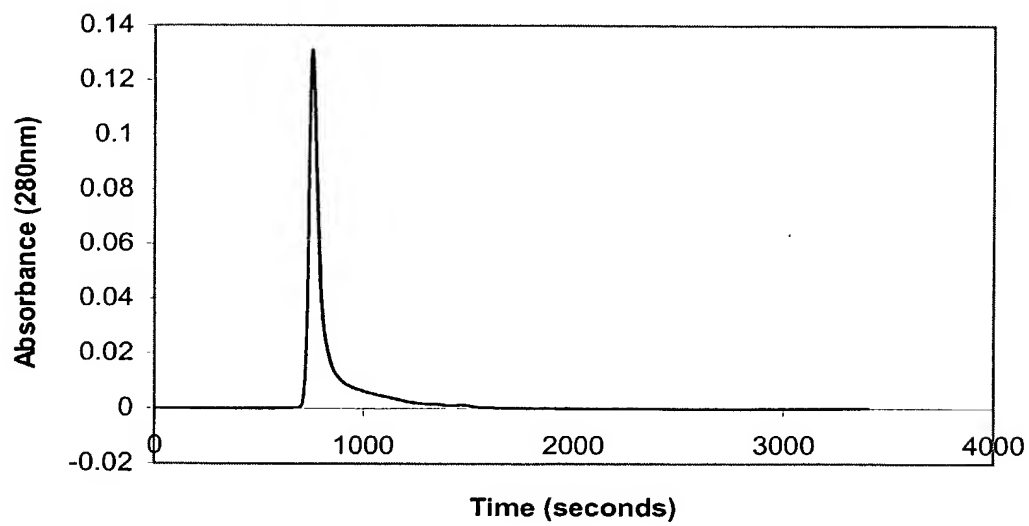
161  
HBC AYW psprrrrsqs prrrrsqsre sqc  
HBC ADW rtpsprrrrs qsprrrrsq resqc  
HBC ADW2 rtpsprrrps qsprrrrsq resqc  
HBC ADYW psprrrrsqs prrrrsqsre sqc  
Woodchuck prrrtpsprrr rrsqsprrrr sqc  
Ground Squirrel rrrtpsprrr rrsqsprrrr qspasnc

FIG. 2

HindIII  
pKK223-3  
TTCACACAGGAAACAGAATTCCCGGGGATCCGTCGACCTGCAGCCAAG  
CTT

pKK223-3N      TTCACATAAGGAGGAAAAAAccatggGATCCG--  
-----AAGCTT

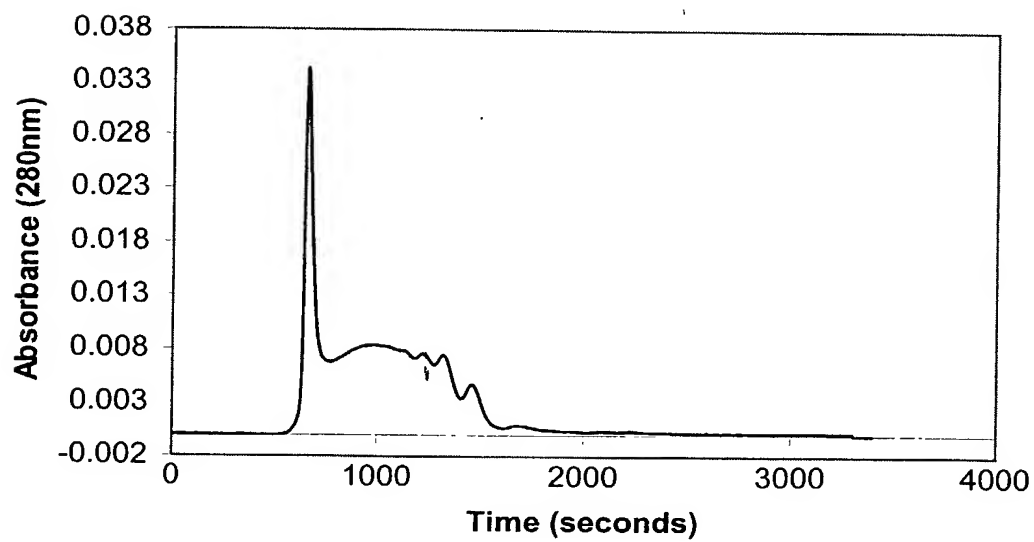
NcoI



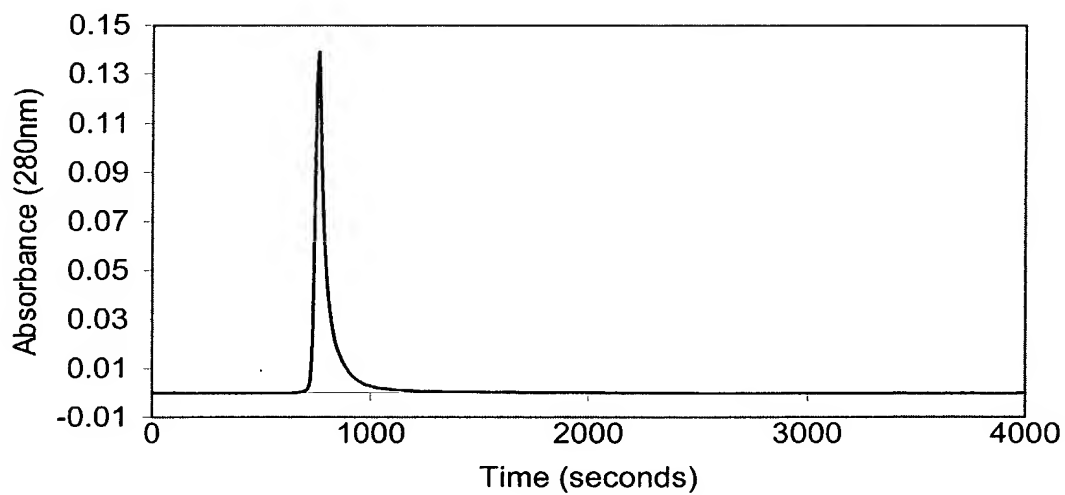
— 10 —



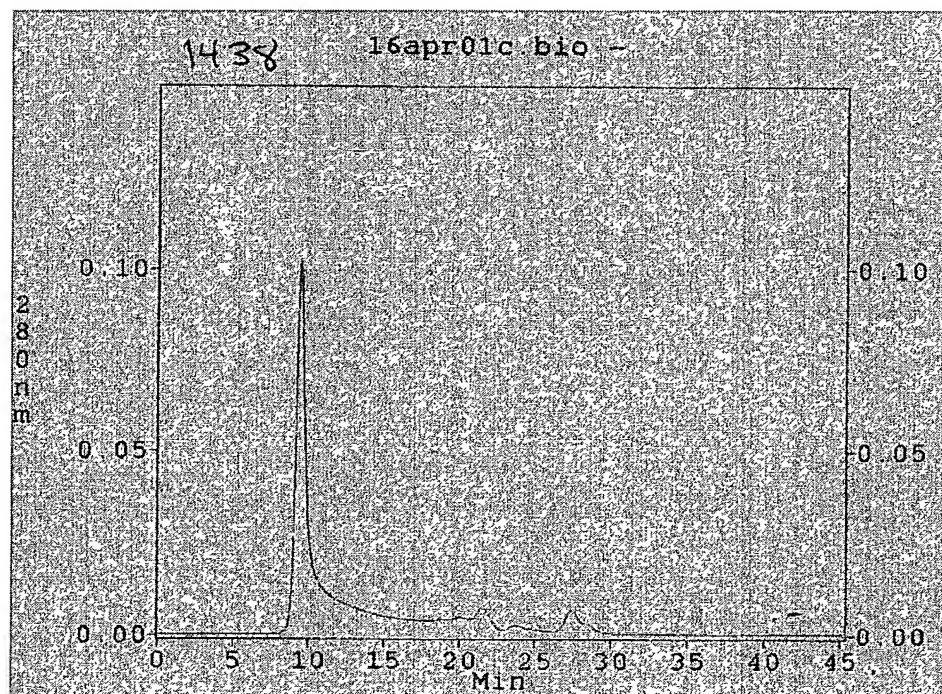
*[A vertical strip of a manuscript page showing dense handwritten text in a cursive script.]*



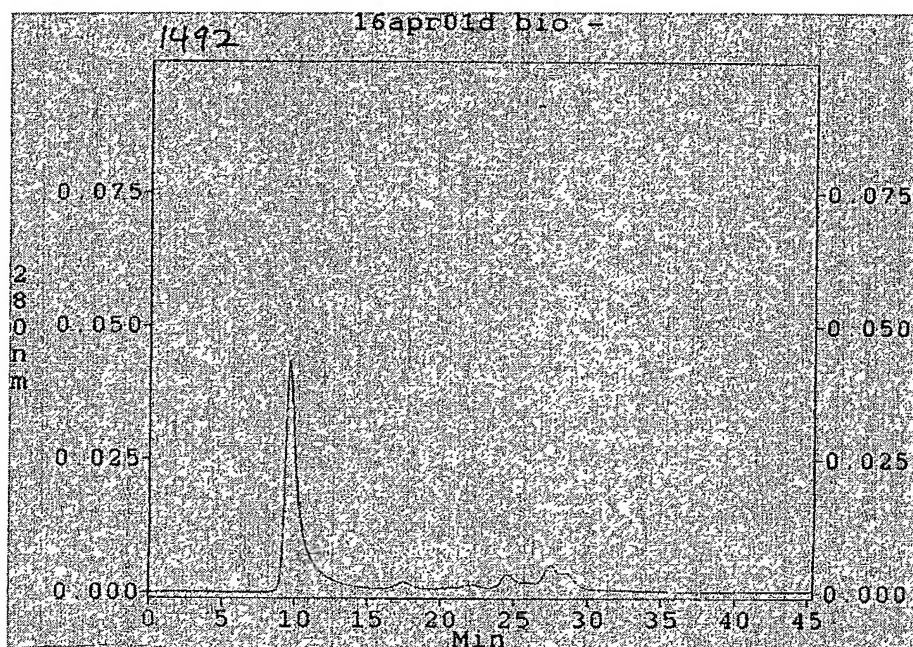
**Fig. 7**



**Fig. 8**



**Fig. 9**



**Fig. 10**

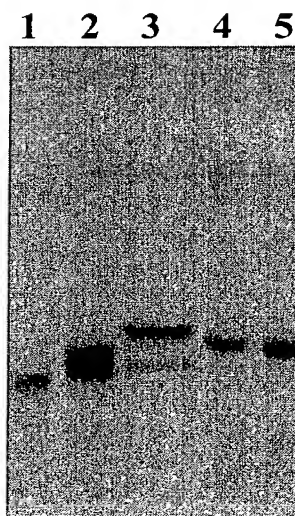


FIG. 11

Scheme 1

